

HW.6

5.24: 5.5×10^{-6} [m]

5.28: 0.196

5.31:

5.34: 1.6×10^{-11} [m]

5.50: (a) 7.34×10^{22} , (b) 1.4×10^{-33}

5.57:

5.59: zero

5.69: It does not have well defined momentum. It sums two opposite moving plane waves.